

ABSTRACT OF THE DISCLOSURE

A fuel cell system includes at least one fuel cell stack having a fuel chamber including a fuel electrode (anode), an air chamber including an oxygen electrode (cathode), an electrolyte layer interposed between the fuel electrode and the oxygen electrode, and a pressure regulating valve for regulating supply pressure of fuel gas (hydrogen gas) supplied to the fuel chamber. The pressure regulating valve sets the supply pressure of the fuel gas when the fuel cell stack starts up power generation at a level higher than the supply pressure of the fuel gas during normal power generation in which the fuel cell stack is generating electric power.